

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063470 A1

(51) International Patent Classification⁷: **B29C 71/02**,
B32B 15/08

(21) International Application Number:
PCT/EP2004/014739

(22) International Filing Date:
23 December 2004 (23.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03079007.5 23 December 2003 (23.12.2003) EP

(71) Applicant (for all designated States except US): **CORUS
STAAL BV** [NL/NL]; P.O. Box 10000, NL-1970 CA Ij-
muiden (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DEN HARTOG,
Adrianus, Johannes** [NL/NL]; Kooilaan 17, NL-2315 EB
Leiden (NL). **BREUR, Hendrik, Jacobus, Arie** [NL/NL];
Clingenburg 12, NL-2135 CC Hoofddorp (NL).

(74) Common Representative: **HERMAN DE GROOT,
Johan, Willem**; Corus Technology BV, P.O. Box 10000,
NL-1970 CA Ijmuiden (NL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ORGANIC ACID RESISTANCE IMPROVEMENT IN POLYMER COATED METALS

(57) Abstract: The invention relates to a method to inhibit the attack by organic acid such as acetic acid, of a thermoplastic polymer coated on a metal container body and/or end, said method comprising flash heat treating the whole respective polymer coated metal parts of the container intended to come into contact with the organic acid such that the polymer on said parts is heated to above its melting temperature to make the container suitable for packaging organic acid containing stuff.

WO 2005/063470 A1